

Statement 6

September 29, 2016

Statement By: Kevin Mottus, California Brain Tumor Association

See Attachments 36, 37, 38, 39, 40, 41, 42

I am strongly opposed to the FCC plan to rollout and auction 5G spectrum technology due to the non-thermal biological health effects created by radiofrequency/microwave radiation or electromagnetic fields (EMF) emitted by wireless transmitters. These documented effects are not recognized and not protected by our current FCC safety standards.

The National Education Association, one of the largest teacher's unions in the country, has passed a resolution stating that all stakeholders should be warned when children are exposed to any possible hazards (See Attachment 36). Given that wireless radiofrequency radiation has been classified by the World Health Organization as a Class 2B Carcinogen (possible carcinogen) in 2011 (See Attachment 37), our Government should warn every citizen that they will be further exposed to a possible carcinogen with the installation of 5G. Dr. Anthony Miller, PhD, MD, FACS, who was one of the scientist in the International Agency for Research on Cancer working group, which classified wireless radiofrequency radiation as a Class 2B Carcinogen in 2011 now has publicly stated that if the science were reviewed today wireless radiofrequency radiation would be classified as a Class 2A Carcinogen (probable carcinogen), see Attachment 38 for the paper by Dr. Anthony Miller. The question remains why would the U.S. want to blanket its citizens with a probable Class 2A Carcinogen? In California the PTA has recommended that children's exposure to wireless microwave radiation be minimized (See Attachments 39 and 40 for PTA Resolutions). With the 5G program we will be increasing children's exposure rather than minimizing it.

The Department of the Interior officially has stated, "the electromagnetic radiation standards used by the Federal Communications Commission (FCC) continue to be based on thermal heating, a criterion now nearly 30 years out of date and inapplicable today." They also state that wireless microwave radiation is causing disease and death among wildlife in the vicinity of wireless cell towers. This is important because 5G will also be exposing animals and people to continuous wireless microwave radiation and some of the transmitters will be located in close proximity to adults, children, pets and wildlife. See Attachment 41 and 42 for Department Of Interior letter and for enclosure A that articulates RF health effects.

I am strongly opposed to the FCC plan to rollout and auction 5G spectrum technology due to the non-thermal biological health effects created by radiofrequency/microwave radiation or electromagnetic fields (EMF) emitted by wireless transmitters. These documented effects are not recognized and not protected by our current FCC safety standards. MD and PhD experts, in the field of wireless microwave radiation health

effects, warn us of the serious harm that microwave technology especially 5G along with its required deployment of multiple transmitters, will cause. We ask that you abort your plan to auction 5G spectrum and immediately halt the rollout of 5G technology testing. We need to immediately institute safety standards that take into account non-thermal biological health effects. The research attached and cited shows that, at the power levels required for this technology to operate reliably over the project's large areas, the radiofrequency/microwave radiation will have significant biological health effects, especially on electrosensitive individuals and children (Cancer, Neurological effects, immune system disorders, reproductive harm and others). **We are asking that you focus instead on installing only fiber optic wired connection to the Internet along with individualized subsidies to help poor people pay for wired/cabled connection to the Internet. Fiber optic wired connections eliminates wireless microwave radiation transmissions thus eliminating wireless microwave radiation health effects. In addition we insist on instituting RF Exposure standards significantly lower than our current thermal standards as recommended and supported by the Bioinitiative Report (Bioinitiative.org/conclusions) of 0.0003 microWatts per centimeter squared.**

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